

1. A substantially pure immunogenic polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.
2. The substantially pure immunogenic polypeptide of claim 1, wherein said sequence consists essentially of SEQ ID NO: 81 or amino acids 2 to 13 of SEQ ID NO: 101.
3. A substantially pure nucleic acid encoding an immunogenic polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.
4. The substantially pure nucleic acid of claim 6, wherein said sequence consists essentially of SEQ ID NO: 81 or amino acids 2 to 13 of SEQ ID NO: 101.
5. A substantially pure antibody that specifically binds to a polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.

10020265.42502